

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

Entitled : AUTOMATIC CONTROL OF INTERMEDIATE PIECES IN A
BENDING PRESS

Inventors : GASCOIN Eric and FOURMY Jean-Louis

Assignee : AMADA EUROPE

ABSTRACT OF THE DISCLOSURE

The invention relates to a bending press comprising a bottom panel, a moving top panel, N bending-tool clamps, each clamp being mounted to pivot about a common axis, and means for causing the clamps to pivot. The means for causing the clamps to pivot comprise:

- a plurality of actuators each suitable for taking up two states;
- a plurality of transmission means for transmitting the state of each actuator assembly to a plurality of adjacent clamps, in such a manner each clamp is associated with a single actuator; and
- means for separately controlling the state of each actuator between a first state which brings the clamps associated with the actuator into a position for clamping the bending tool, and a second state which brings the clamps associated with the actuator into a position for removing said bending tools.